

# Converting Colors

Hex(42EF42)

Have a look what the booklet for  
Hex(42EF42) contains.

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**Color**

**Hex(42EF42)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42EF42
RGB	66, 239, 66
RGB Percent	26%, 94%, 26%
CMY	0.7412, 0.0627, 0.7412
CMYK	0.72, 0.00, 0.72, 0.06
HSL	120°, 84%, 60%
HSV	120°, 72%, 94%
XYZ	34.0966, 63.2846, 15.5723
YIQ	167.5510, -47.5750, -90.4790

# Conversions

## Conversions Part 2

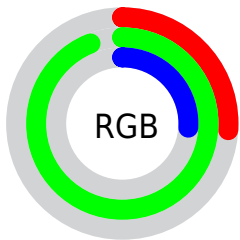
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">66, 239, 239</a>
Decimal	<a href="#">4386626</a>
CIELab	<a href="#">83.59, -74.00, 67.12</a>
CIELCh	<a href="#">84, 99.907, 137.793</a>
Yxy	<a href="#">63.2846, 0.3019, 0.5603</a>
Android (android.graphics.Color)	<a href="#">4282576706 (0xFF42EF42)</a>
YUV	<a href="#">167.5510, -50.0646, -89.0602</a>
Hunter-Lab	<a href="#">79.5516, -62.7084, 44.0800</a>

# Details

The Hex color **42EF42** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark muted green. A complement of this color would be **EF42EF**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **8AFF7C**, and **00B500** is the 20% darker color. If you saturate the color by 10%, you get **2AEF2A**, and if you desaturate by 10%, it is **5AEF5A**.

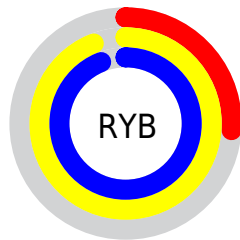
# Distribution



Red (26%)

Green (94%)

Blue (26%)



Red (26%)

Yellow (94%)

Blue (94%)

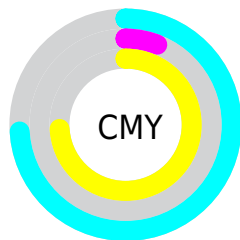


Cyan (72%)

Magenta (0%)

Yellow (72%)

Black (6%)



Cyan (74%)

Magenta (6%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42EF42 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 42EF42 by changing the saturation by 10% instead.



 42EF42

 42EF42

FFFFFF

 00D220

 8AFF7C

 00B500

 AAFF98

 009A00

 C9FFB4

 007E00

 E9FFD1

 006400

 FFFFEF

 004A00

 003100

 001500

 000000

 42EF42

 42EF42

 2AEF2A

 5AEF5A

 12EF12

 72EF72

 00EF00

 8AEF8A

 A2EFA2

 B9EFB9

 D1EFD1

 E9EFE9

 FFEFFF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



C5DD00



42EF42



00F8A5

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42EF42



00E7FF



FF699D

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42EF42



EF42EF

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF6CFB



42EF42



66C8FF

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42EF42



00F6FF



FF9AFF



FF9343

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42EF42



00FAE7



FF9AFF



FF62BC

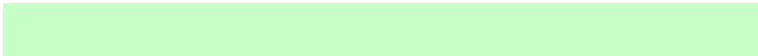


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42EF42



C7FFC7



EFEF42



5E805E



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42EF42



21FF21



42EF98



6C786C



00B800



003800



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



EF42EF



FF21FF



EF4298



786C78



B800B8

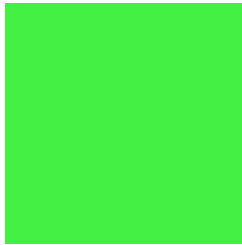


380038



# Previews

## White Background



This preview shows how the Hex color 42EF42 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 42EF42 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 42EF42 Background



This preview shows how black text looks on a background with the Hex color 42EF42.

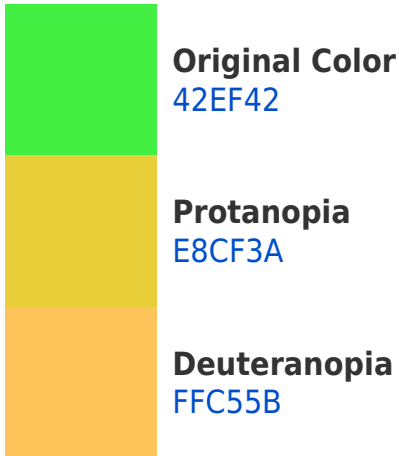


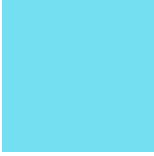
This preview shows how white text looks on a background with the Hex color 42EF42.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

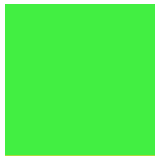
## Dichromacy





**Tritanopia**  
73DFF1

# Trichromacy



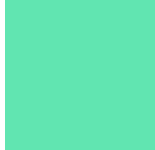
**Original Color**  
42EF42



**Protanomaly**  
ACDB3D



**Deuteranomaly**  
BAD452



**Tritanomaly**  
61E5B1

# Monochromacy



**Original Color**  
42EF42



**Achromatopsia**  
A8A8A8



**Achromatomaly**  
83C283

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42EF42 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #42EF42 looks like.

```
.text, #text, p{  
    color:#42EF42  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #42EF42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42EF42
}
```

## Border

The CSS property to change the border of an element to Hex 42EF42 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#42EF42 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#42EF42 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #42EF42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42EF42; -webkit-box-shadow:4px 4px  
4px 4px #42EF42; box-shadow:4px 4px 4px  
4px #42EF42 }
```

# Background

The CSS property to change the background color of an element to Hex 42EF42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42EF42 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#42EF42 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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